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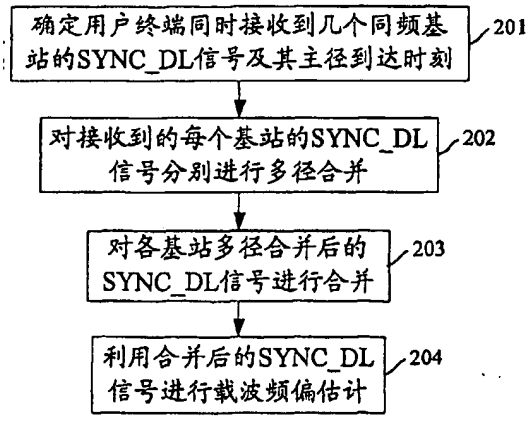
所引用双字母代码和其它缩写符号,请参考刊登在每期PCT公报期刊起始的"代码及缩写符号简要说明"。

(54) Title: A METHOD AND DEVICE OF THE ESTIMATING CARRIER FREQUENCY OFFSET OF SUBSCRIBER TERMINAL

(54) 发明名称: 用户终端进行载波频偏估计的方法和装置



201... DETERMINE THE AMOUNT OF THE SYNC_DL SIGNAL OF THE SAME FREQUENCY BASE STATION WHICH RECEIVED BY SUBSCRIBER TERMINAL AT THE SAME TIME AND THE TIME OF MAIN PATH REACHED

202... MAIN PATH MERGE THE SYNC_DL SIGNAL OF EACH BASE STATION RECEIVED RESPECTIVELY

203... MERGE THE SYNC_DL SIGNAL OF EACH BASE STATION MAIN PATH MERGED

204... ESTIMATE THE CARRIER FREQUENCY OFFSET USING THE MERGED SYNC_DL SIGNAL

(57) Abstract: The invention discloses a method of estimating carrier frequency offset of subscriber terminal, determine the amount of more signal sources which received by subscriber terminal; merge the signals of the base station corresponding to the amount of the base station; estimate carrier offset according to the merged signal. The invention also discloses a device of estimating carrier frequency offset of subscriber terminal, including: judge module, according to the signal which received by subscriber terminal, used to determine the base station amount of signal resources which received by subscriber terminal, merge module, used to merge the signals of the base station corresponding to the amount of the base station, and output the merged signal to the carrier frequency offset obtain module; carrier frequency offset obtain module, used to estimate the carrier frequency offset of the merged signal. According to the invention, the carrier frequency offset of the subscriber terminal will meet the need, and improve the success probability.

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(57) 摘要

本发明公开了一种用户终端进行载波频偏估计的方法，确定用户终端接收到的一个以上信号所来源的基站数量；将对应于所述基站数量的各基站的信号进行合并；根据所述的合并后的信号进行载波频偏估计。本发明还公开了一种用户终端进行载波频偏估计的装置，包括：判断模块，用于根据用户终端接收的信号，确定用户终端接收到的信号所来源的基站数量，并将所述基站数量输出至合并模块；合并模块，用于将对应于所述基站数量的各基站的信号进行合并，并将合并后的信号输出至载波频偏获取模块；载波频偏获取模块，用于根据接收的合并后的信号进行载波频偏估计。根据本发明提出的方案，使用户终端的载波频偏满足系统要求，提高小区初搜的成功概率。